



AP Environmental Science
Ms. Johnson

Agenda: Week of Oct 25, 2010- Full Week!

Focus Questions

- 1) Rock recycling? How and why does nature recycle the surface of the Earth?
- 2) A rock is a rock is a rock. What's the difference?

| Date | Objectives | Vocabulary | Homework |
|-----------------|---|--|---|
| Mon, 10/25 | Work in groups to prepare a presentation that addresses the guiding questions for your segment of the article. | Gaia Hypothesis Earth Systems | Complete project – Visual aid, rehearse presentation, typed vocabulary list and answers to guiding questions |
| Tues, 10/26 | Summarize how the atmosphere of Earth has changed over time and how this impacted mineral formation. | <u>Rock types:</u> Sedimentary Metamorphic Igneous <u>Intermediate Stages:</u> Sediment Magma | Skim the rest of Ch 14 Begin student reflection notes (see below) |
| Wed, 10/27 | (1) List and describe the steps of the rock cycle (2) Summarize the theory of plate tectonics and provide three pieces of evidence that support it. (3) Explain the forces and faults present at each of the three types of plate boundaries. | <u>Processes in the rock cycle:</u> Lithification/cementation Burial/compaction Heat and pressure Weathering Erosion Melting Crystallization <u>Plate boundaries:</u> Convergent Transform/Conservative Divergent <u>Faults:</u> Reverse Strike-slip Normal | (1) Complete “Rock Cycle” worksheet (2) Make Student Reflection Notes for Earth Science and Thermodynamics before Friday’s test. → Re-write your notes in a way that makes sense for you – pictures, outlines, summaries, notes with highlighting, etc. |
| Thurs, 10/28 | Make detailed observations of rock samples and identify whether they are igneous, sedimentary, or metamorphic. | Mineral Crystal Grain size Cement | Finish Rock Lab – Due Friday at the beginning of class. |
| Fri, 10/29 | Demonstrate knowledge of conservation of mass, rock types and the rock cycle. | All of the above (this week and last week) | Read Ahrens Ch 1 and 11 (Handout) by Nov 3 rd . |

ANNOUNCEMENTS AND UPCOMING EVENTS

- 1) **Test on Friday** (Skim the remainder of Ch 14). Make your **student reflection notes** prior to the test.

REMINDERS

- 1) Readings are required and important.
- 2) No cell phone use in class – we need your full attention on the course material!
- 3) Just because I like you doesn’t mean I won’t write you up for being out of uniform!

RISE TO THE CHALLENGE!!